

DISTITRON® 412 V2

First Emission: 23/02/1998

Version: 20, 04/10/2017

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

Green - Light - Transparent

Main resin characteristics

Clear, unaccelerated, Type 1120 (DIN 16946-2), Type UP 0 (DIN 18820-1), Type UP 1A (EN 13121-1)

Main applications

Pipes and tanks

Moulding informations

Centrifugal casting

Shelf life and storage

Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf-life will be reduced reaching higher temperature.

Precaution for handling

Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN

Properties	Test Method	Unit	Typical values
Specific weight at 20°C		g/cm ³	1,10
Brookfield viscosity at 23°C, sp 2 rpm 100	MT-CU023V	mPa.s	185 - 225
Solid content	MT-CU001C	%	53 - 58
Reactivity	at 20°C + 0,25% Co 4% + 2% MEKP50		
20°C - 24°C	RS.03.G	minutes	7 - 12
20°C - Peak	RS.03.G	minutes	15 - 30
Exothermic peak	RS.03.G	°C	160 - 185
Acidity	MT-CU001I	mgKOH/g	11 - 17
Shelf life at 23°C in the dark	MT-CU002S	months	6

PROPERTIES OF THE CURED UNREINFORCED RESIN

Curing cycle	24h at 23°C + 2h at 100°C + 1h at 100°C		
Tensile strength	ISO 527 (2012)	MPa	74
Tensile modulus	ISO 527 (2012)	MPa	3450
Elongation at break	ISO 527 (2012)	%	3,6
Flexural strength	ISO 178/B (2010)	MPa	130
Flexural modulus	ISO 178/B (2010)	MPa	3400
HDT	ISO 75 -2A (2013)	°C	87
Glass transition	ASTM E 1545 (2011)	°C	100
Barcol hardness at 25°C	ASTM D 2583 (2007)	units	43

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